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the second embodiment shown in above FIGS.5 to 7, the inner end surface of the inner ring 16 that is fitted onto the inner end portion of a hub 8b is held by the caulked portion 24 that is formed by plastically deforming the cylinder portion 71, which is provided to the inner end portion of the hub 8b, outward in the diameter direction by means of the caulking. Also, in the case of the present embodiment, unlike the case of the second embodiment shown in above FIGS.5 to 7, the encoder is not fitted onto the outer peripheral surface of the hub 8b. Also, the insertion hole, which passes through in the diameter direction and through which the rotation speed sensor can be inserted, is not formed in the middle portion of the outer ring 6 in the axial direction. Alternately, in the case of the present embodiment, an encoder 28 is fixed to a part of the seal ring 19b that is provided between the inner peripheral surface of the inner end portion of the outer ring 6 and the outer peripheral surface of the inner end portion of the inner ring 16. In other words, this seal ring 19b consists of a slinger 27 that is formed as an annular ring as a whole to have an L-shaped cross section and fitted/fixed onto the inner end portion of the inner ring 16, a ~~core-metal~~ reinforcing member 42 that is formed as an annular ring as a whole to have an L-shaped cross section and fitted/fixed into the inner end portion of the outer ring 6, and an elastic member 43 a base end portion of which is coupled/fixed to the ~~core-metal~~ reinforcing member 42. Also, a top end edge of the seal lip constituting the elastic member 43 is brought into contact with the outer peripheral surface and the outer side surface of the slinger 27 to slide thereon.

bridging pages 40 & 41

Please replace ~~the first full paragraph on page 41~~ with the following new paragraph:

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Also, in the case of the present embodiment, the fitted cylinder portion 50 of the cover 30 is fitted/fixed into the inner end portion of the spline hole 20 via a plurality of projected portions

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the present embodiment, the wheel bearing unit 5 is fitted to the knuckle 3 and also the spline shaft 22 (see FIG.21) constituting the constant velocity joint 21 is inserted into the spline hole 20. Then, in this condition, a sealing structure is provided between a part of the constant velocity joint 21 and the inner end portion of the knuckle 3. With such arrangement, although no seal ring is present between the inner peripheral surface of the inner end portion of the outer ring 6 and the outer peripheral surface of the inner end portion of the inner ring 16, the space in which the encoder 28 is provided can be sealed tightly from the outside. Also, in this case, the sensing portion of the rotation speed sensor opposing to the encoder 28 can be sealed tightly from the outside.

second full on page

J7 8/14/07 Please replace the paragraph bridging pages 62 and 63 with the following new paragraph:

Also, in the case of the present embodiment, the fitted cylinder portion 50 of the cover 30e is fitted/fixed into the inner end portion of the spline hole 20 via a plurality of projected portions 52, 52 during the turning process applied to both side surfaces of the rotor 2. Therefore, a dimensional tolerance of the inner diameter of the inner end portion of the spline hole 20 can be set large like 0.2 mm. Thus, even when the processed inner diameter of the inner end portion of the spline hole 20 is formed smaller than a normal dimension, the fitted cylinder portion 50 can be detachably attached easily to the spline hole 20 by a small force.

Please replace the paragraph bridging pages 63 and 64 with the following new paragraph:

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In the case of the present embodiment constructed as above, because the insertion hole 56 provided to a part of the outer ring 6 6b is stopped by the stop plug 61 during the turning process applied to both side surfaces of the rotor 2, it can be prevented that the chips generated in the turning process enter into the space, in which the encoder 28 is provided, through the insertion hole 56. As a result, not only the space between the inner peripheral surface of the inner end portion of the outer ring 6 6b and the outer peripheral surface of the inner end portion of the hub 8b can be closed by the cover 57 but also the adhesion of the chips onto the inner side surface of the encoder 28 can be prevented, so that an improvement of a sensing performance of the rotation speed sensor that is opposed to the encoder 28 can be achieved.

Please replace the paragraph bridging pages 65 and 66 with the following new paragraph:

In such configuration of the present embodiment, the operation of applying the turning process to both end surfaces of the rotor 2 (see FIG.14, etc.) is performed as follows. That is, first respective constituent members of the wheel bearing unit before the rotor 2 is coupled are assembled and also the portion of the rotor 2 near the inner diameter is coupled/fixed to the outer side surface of the rotary flange 13 provided to the outer peripheral surface of the outer end portion of the outer ring 6c. Also, a cover 30f is fitted/fixed onto the inner end portion of the outer ring 6c. The cover 30f is formed like an annular ring as a whole to have an almost \sqcap -shaped cross section, and a lip portion 68 is provided to its inner peripheral edge portion. Then,